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SECRET

IDEA-0093-68
Copy 7 of 7

6 February 1968

MEMORANDUM FOR : Deputy for Materiel, OSA

SUBJECT : U-2R Production Acceptance Test

1. Attached herewith is a copy of the U-2R acceptance test for the production aircraft as proposed by Lockheed. The test is essentially that used for the U-2C after any major modifications or IRAN plus tests of the items which are unique to the U-2R.

2. It is requested that you review the attachment and forward your additions, deletions, comments and/or concurrence to me by 12 February.

SIGNED

[redacted]

Deputy for
Research and Development
Special Activities

25X1A

USAF review(s) completed.

Attachment - 1
As noted above

25X1A ASD/R&D/OSA [redacted] :sjs (6 Feb 68)
Distribution:
cy 1 - D/M/OSA w/att
2 - SAS/O/OSA w/att
3 - D/R&D/OSA w/att
4 - PSD/R&D/OSA w/att
5 - ASD/R&D/OSA w/att
6 - ASD/R&D/OSA (Chrono) w/att
7 - RB/OSA w/att

[redacted]

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25X1

GROUP 1
Excluded from automatic downgrading and declassification

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DATE _____ PILOT _____ AIRPLANE _____

LOW ALTITUDE

1. BEFORE TAKEOFF: BRAKES _____ STEERING _____

2. MAX POWER T.O. & CLIMB TO 20M': RPM _____ POGO DROP _____

3. LEVEL FLIGHT AT 20M':

TRIM 150 KTS FAIRED WHEEL _____ BALL _____

TRIM 150 KTS GUST WHEEL _____ BALL _____

TRIM 260 KTS GUST WHEEL _____ BALL _____

4. STALLS: FUEL CTR _____

CONFIGURATION	STALL STRIPS	WARN(Kts)	STALL(Kts)	CHARACTERISTICS
CLEAN	IN/OUT	/	/	
GEAR + 15° FLAPS	IN/OUT	/	/	
GEAR + 25° FLAPS	IN/OUT	/	/	
GEAR + 35° FLAPS	IN/OUT	/	/	
GEAR + 50° FLAPS	IN/OUT	/	/	

5. GEAR EXTENSION: MAIN _____ (SEC) TAIL _____ (SEC)
GEAR RETRACTION: MAIN _____ (SEC) TAIL _____ (SEC)
EMERG. GEAR EXTENSION: MAIN _____ (SEC) TAIL _____ (SEC)

6. COMPASS OPERATION: NAV _____ MAG _____ ADF _____ TACAN _____
STANDBY COMPASS _____

7. AIR CONDITIONING: AUTO _____ MAN _____ SUIT VENT _____ FAN _____

8. AUTOPILOT: FAIRED _____ GUST _____

9. CONTROLS: AIL _____ ELEV _____ RUD _____
STAB TRIM _____ SPEED BRAKES _____
SPOILERS: LT DN _____ LANDING _____ EMERG _____

10. FUEL SYSTEM: CROSS TRANSFER: INB'D _____ OUTB'D _____
SUMP TRANSFER: INB'D _____ OUTB'D _____

SUMP QTY _____ TRANSFER LEVEL: INB'D _____ OUTB'D _____
DUMP: INB'D L R OUTB'D L R

11. LIGHTING: PANEL _____ INSTRUMENT _____
NAV LIGHTS: BRT _____ DIM _____ STEADY _____ FLASH _____

12. ANNUNCIATOR PANEL/MASTER CAUTION LIGHT _____

13. FIRE/O HEAT LIGHTS _____

14. RADIOS: UHF _____ VHF _____ HF _____ SELCALL _____

25X1 15. _____ ALL O.K. _____

16. ADF _____ ILS _____ ILS APPROACH _____

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17. INSTRUMENTS: TDI _____ ADI _____ HSI _____ R/C _____ STBY ATT _____

18. DEFOG _____ WINDSHIELD DEFROST: BLO _____ HTR/BLO _____

19. RAM AIR (BELOW 20M') _____

20. O_2 - QTY 1 _____ 2 _____ PRESS: 1 _____ 2 _____

21. A.C. ELECTRICAL: MAIN GEN _____ EMERG GEN _____ EMERG INV _____

22. D.C. ELECTRICAL: MAIN GEN _____ XFMR RECT _____ EMERG GEN _____

23. SEAT VERT ADJUST _____

24. NOSE PRESS VALVE: OPEN _____ CLOSE _____

HIGH ALTITUDE - 1hr minimum

1. FULL POWER CLIMB TO MAX ALTITUDE.

2. PRI & SEC FUEL BOOST IN CLIMB _____.

CIV TIME	IAS TDI/STBY	ALT TDI/STBY	Mn	RPM	EGT	EPR	HYDRO	OIL PRESS	OIL TEMP	FUEL PRESS	CABIN Q-BAY	FUEL CTR	FAT

3. AUTOPILOT OPER - MAX ALT.
NAV _____ HDG _____ ALT _____ Mn _____

4. NAV/DOPPLER _____

5. DRIFTSIGHT OPERATION _____ PWR CHANGER _____

6. ENGINE BLEED VALVES: RPM _____ EPR _____ ALT _____ FAT _____

7. NORMAL AIRSTART +35 @ 170 KTS _____

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